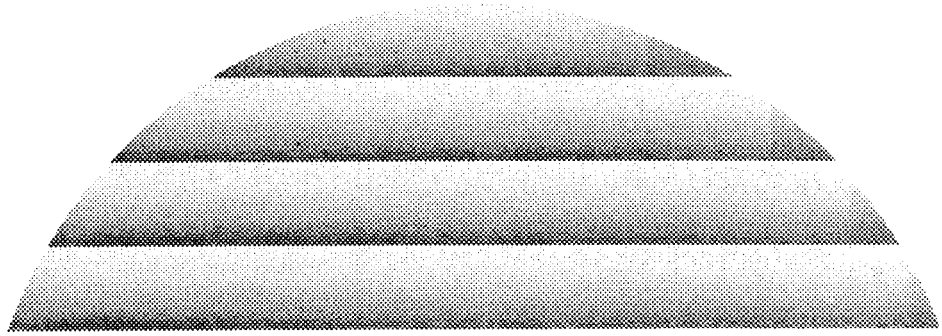
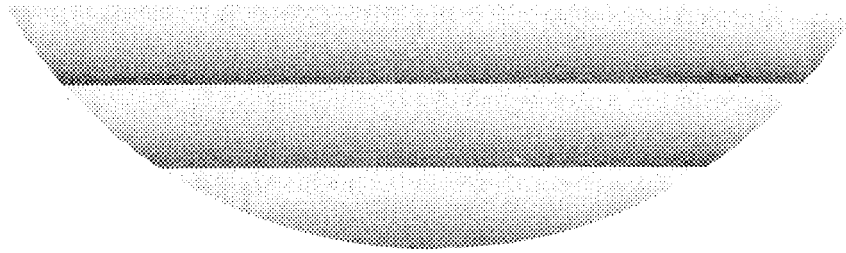
Panasonic®



Operating Instructions
Microwave/Convection Oven
Model
NN-9509P
700 watts



PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

(a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

(b) Do not place any object between the oven front face and the door, or allow soil or cleaner residue to accumulate on sealing surfaces.

(c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:

(1) door (bent)
(2) hinges and latches (broken or loosened)
(3) door seals and sealing surfaces

(d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

The serial number of this product may be found on the right side of the oven door opening. You should note the model number and the serial number of this oven in the space provided and retain this book as a permanent record of your purchase for future reference.

Model No. NN-9509P

Serial No. _____

Date of Purchase _____

Before operating this oven, please read these instructions completely.

Important Safety Instructions

When using electrical appliances, basic safety precautions should be followed, including the following:
WARNING—To reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy:

1. Read all instructions before using the appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY," found on front cover.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on page 3.
4. Install or locate this appliance only in accordance with the provided installation instructions. Position oven so that controls are easily accessible.
5. Some products such as whole eggs and sealed containers—for example, closed glass jars—may explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in this manual.
7. As with any appliance, close supervision is necessary when used by children.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair or adjustment.
10. Do not cover or block any openings on this appliance.
11. Do not use outdoors.
12. Do not immerse cord or plug in water.
13. Keep cord away from heated surfaces.
14. Do not let cord hang over edge of table or counter.
15. When cleaning surfaces of door and oven that come together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.
16. To reduce the risk of fire in the oven cavity:
    (a) Do not overcook food. Carefully attend appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
    (b) Remove wire twist-ties from bags before placing bags in oven.
    (c) If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
17. Use extreme caution when removing metal tray.

General Use

1. Do NOT tamper with or make any adjustments or repairs to door, control panel housing, safety interlock switches or any other part of the oven. Do NOT remove outer panel from oven. Repairs should only be done by a qualified serviceperson.
2. Do NOT operate the oven empty on combination or microwave. The microwave energy will reflect continuously throughout the oven if no food or water is present to absorb energy. This could damage the oven and result in the danger of a fire.
3. Before using the BAKE, COMBINATION or BROIL functions for the first time, operate the oven without food on BAKE for 20 minutes at 450°F. This will allow the oil that is used for rust protection to be burned off.
4. **Do NOT** use this oven to heat chemicals or other non-food products. **Do NOT** clean this oven with any product that is labeled as containing corrosive chemicals. **The heating of corrosive chemicals in this oven may cause microwave radiation leaks.**
5. If a fire occurs in the oven, touch the STOP/ RESET Pad and LEAVE DOOR CLOSED. Disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
6. Do NOT dry clothes, newspapers or other materials in oven. They may catch on fire.
7. Do NOT use recycled paper products, as they may contain impurities which may cause sparks and/or fires when used.
8. Do NOT use newspapers or paper bags for cooking.
9. Do NOT hit or strike control panel. Damage to controls may occur.
10. POT HOLDERS may be needed when cooking. Heat is transferred from the hot food to the cooking container and from the cooking container to the Metal Tray. Metal Tray can be very hot after removing cooking container from oven.
11. Do NOT store flammable materials next to, on top, behind or in the oven. It could be a fire hazard.
12. Door will get hot during BAKE, COMBINATION and BROILING. Please handle door carefully.

FOR PROPER USE OF YOUR OVEN READ REMAINING SAFETY CAUTIONS AND OPERATING INSTRUCTIONS.

SAVE THESE INSTRUCTIONS

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INSTALLATION AND GROUNDING INSTRUCTIONS

Examine Your Oven

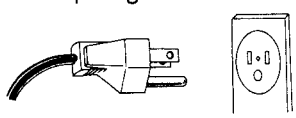
Unpack oven, remove all packing material, and examine the oven for any damage such as dents, broken door latches or cracks in the door. Nofity dealer immediately if oven is damaged. Do NOT install if oven is damaged.

Placement of Oven

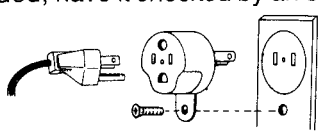
1. Oven must be placed on a flat, stable surface. For proper operation, the oven must have sufficient air flow. Allow 3 inches of space on both sides of the oven and 1 inch of space on top of oven.
   a. Do NOT block air vents.
      If they are blocked during operation, the oven may overheat. If the oven overheats, a thermal safety device will turn the oven off. The oven will remain inoperable until it has cooled.
   b. Do NOT place oven near a hot damp surface such as a gas or electric range.
   c. Do NOT operate oven when room humidity is too high.
2. This oven was manufactured for household use only.
3. This oven may be built into a wall cabinet, if desired, by using the proper trim kit, which may be purchased from a local Panasonic dealer. Follow all installation instructions packed with kit. See page 13 for Technical Specifications.

Wiring Requirements

1. The oven must be plugged into at least a 15 AMP 120 VOLT, 50/60 Hz GROUNDED OUTLET. Where a standard two-prong outlet is encountered, it is the personal responsibility and obligation of the consumer to have it replaced with a properly grounded three-prong outlet.



2. A TEMPORARY CONNECTION with a two-prong adaptor may be made where LOCAL CODES PERMIT it. Unless the cover screw is grounded through the house wiring, attaching the adaptor grounding plate to the cover screw will not ground the oven. If there is any doubt that the cover screw is grounded, have it checked by an electrician.



3. The oven must be on a SEPARATE CIRCUIT. No other appliance should share the circuit with the microwave oven. If it does, the branch circuit fuse may blow or the circuit breaker may trip, or the food may cook slower than times recommended in cookbook.
4. The VOLTAGE used must be the same as specified on this microwave oven (120 V). Using a higher voltage is dangerous and may result in a fire or other accident causing oven damage. Using a lower voltage will cause slow cooking. Panasonic is NOT responsible for damage resulting from the use of the oven with other than specified voltage.

Grounding Instructions

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

WARNING—Improper use of the grounding plug can result in a risk of electric shock.
Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.
If it is necessary to use an extension cord, use only a three wire extension cord that has a three blade grounding plug, and a three slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance.

Power Supply

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
2. Longer cord sets or extension cords are available and may be used if care is exercised in their use.
3. If a long cord or extension cord is used, (1) the marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance, (2) the extension cord must be a grounding-type 3-wire cord, and (3) the longer cord should be arranged so that it will not drape over the countertop or tabletop where it can be pulled on by children or tripped over accidentally.

Metal Tray

1. Place metal tray on metal turntable securely. Do not operate the oven without the Metal Tray in place when cooking by Microwave or Combination. Remove metal tray when using BROIL or BAKE.
2. Only use the Metal Tray specifically designed for this oven. Do not substitute any other Metal Tray.
3. If Metal Tray is hot, allow to cool before cleaning or placing in water.
4. Metal Tray can turn in either direction.
5. If food or utensil on Metal Tray touches oven walls, causing the turntable to stop moving, the turntable will automatically rotate in opposite direction. This is normal.
6. Do NOT cook directly on Metal Tray when performing microwave cooking. Always place food in a microwave-safe dish, or on a rack set in a microwave-safe dish. For Combination cooking, place meats and poultry on a microwave and heat-safe rack set in a microwave and heat-safe dish. Place dish on metal tray. Follow specific instructions in the Panasonic cookbook for proper use of oven accessories and cookware.

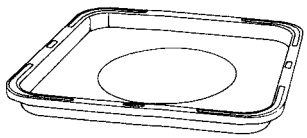
Radio Interference

1. Operation of the microwave oven may cause interference to your radio, TV or similar equipment.
2. When there is interference, it may be reduced or eliminated by taking the following measures:
   a. Clean door and sealing surfaces of the oven. (See Care of Your Microwave/Convection Oven found on page 12.)
   b. Place the radio, TV, etc. away from the microwave oven as far as possible.
   c. Use a properly installed antenna to obtain stronger signal reception.

Follow These Safety Precautions When Cooking In Your Microwave/Convection Oven

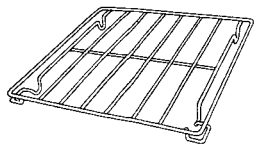
1. Do not use your combination oven for home canning or the heating of any closed jar. Pressure will build up and the jar may explode. In addition, the combination oven cannot maintain the food at the proper canning temperature. Improperly canned food may spoil and be dangerous to consume.
2. Cooking utensils get hot during Baking, Combination, Broiling and Microwaving. Use potholders when removing utensils and metal tray from the oven or when removing lids or plastic wrap covers from cooking utensils to avoid burns.
3. The metal tray will get hot during cooking. It should be allowed to cool before handling or before paper products, such as paper plates, napkins or microwave popcorn bags, are placed in the oven for microwave cooking.
4. During cooking heat is transferred from the hot food to the cooking utensil and from the utensil to the metal tray. The metal tray can be very hot after removing cooking utensils from oven.
5. The oven door and the interior walls will get hot during Combination, Bake and Broil.
6. Small quantities of food or foods with low moisture content can dry out, burn or catch on fire. If a fire occurs, turn oven off and leave oven door closed. Disconnect the power cord or shut off power at the fuse or circuit breaker panel.
7. Popcorn must be popped in a microwave oven corn popper. Microwave corn poppers are available through many retail stores. Microwave popcorn which pops in its own package is also available. Each brand of microwave popcorn recommends that their popcorn be used in microwave ovens listed at a specific wattage. For example: "Use in a microwave oven 600 watts or greater," or "Tested in microwaves of 450 to 1000 watts." Follow popcorn manufacturers' directions and use a brand suitable for a 700 watt microwave oven. **Popping bag must be elevated** on a microwave-safe rack or inverted microwave-safe pie plate in oven. **To avoid overheating, recommended popping time is 3 minutes (3.5 oz.).**
8. **Do not** attempt to deep fat fry in your microwave oven. Oil can be heated beyond ideal temperatures very quickly in a microwave oven. Temperatures can climb high enough for the cooking oils to reach their respective flash points and burst into flames. The heated oil may bubble and spatter causing possible damage to the oven and perhaps resulting in burns. Additionally, microwave-safe utensils may not be able to withstand the temperature of the hot oil, and could result in the utensil shattering if it contains even a slight imperfection, scratch or chip.
9. Do not heat eggs in their shell in a microwave oven. Pressure will build up and the eggs will explode.
10. Potatoes, apples, egg yolks, whole squash and sausages are examples of foods with nonporous skins. These types of foods must be pierced before Microwave or Combination cooking to prevent bursting.
11. Use fresh potatoes for baking and cook until just done. The potatoes will still feel firm to the touch, but are easily pierced with a fork. Overcooking causes dehydration and may cause a fire.
12. Heated liquids can erupt if not mixed with air. Do not heat liquids in your microwave oven without first stirring.
13. Heat only 1 frozen dinner or entree by microwave in your oven at a time. If dinner or entree is heated in a foil tray, place foil tray on microwave-safe rack in center of oven. Leave at least 1-inch space between foil tray and oven walls to avoid arcing.
14. Drying meats, herbs, fruits and vegetables is not recommended.
15. Do not use a conventional meat thermometer for Microwave or Combination cooking. Arcing may occur. Do not use a Microwave meat thermometer for Combination cooking or Bake. It may melt.
16. Do not use paper towels or cloths which contain a synthetic fiber woven into them. The synthetic fiber may cause the towel to ignite.
17. Do not use paper bags or recycled paper products in the microwave oven.
18. Do not use the oven for any reason other than the preparation of food.
19. Do not leave oven unattended while in use.
20. Microwave browning dishes or grills are designed for microwave cooking only. Preheating times vary depending on the size of the browning dish and food being cooked. Always follow instructions provided by the browning dish or grill manufacturer. Do not preheat browning dish more than 8 minutes.
21. If an oven cooking bag is used for Microwave cooking, prepare according to package directions. Do not use wire twist-tie to close bag. Instead use nylon tie, a piece of cotton string or a strip cut from the open end of the bag. Make six ½-inch slits by closure. Place oven cooking bag in a dish slightly larger than the food being cooked.
22. When using foil, skewers, warming rack or utensils made of metal in the oven for Microwave or Combination cooking, allow at least 1-inch of space between metal material and interior oven walls. If arcing (sparking) occurs remove metal material (skewers, etc.) and/or transfer to a non-metallic container.
23. Dishes with metallic trim should not be used during Microwave or Combination cooking, arcing may occur.

Accessories and Use



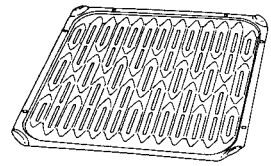
Broiler Pan

Use the Broiler Pan for Broil only.



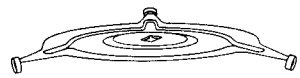
Oven Rack

Oven Rack is used for Bake and Broil.



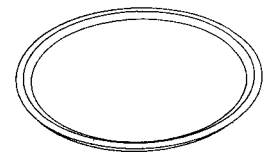
Spatter Shield

Use with the Broiler Pan. Spatter Shield helps prevent spattering. Only use the Spatter Shield for Broil.



Metal Turntable

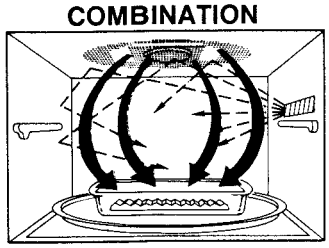
The Metal Turntable should always remain in the oven.



Metal Tray

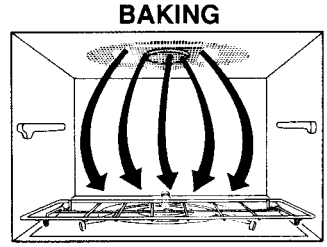
The Metal Tray is used for Combination and Microwave cooking. Remove Metal Tray when using Broil and Bake.

COMBINATION



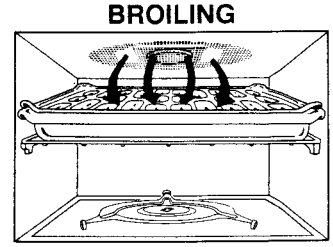
Place food in microwave and heat-safe dish. Place dish directly on Metal Tray.

BAKING



Remove metal tray.
Place Oven Rack on oven floor.
Place food in a dish on Oven Rack.

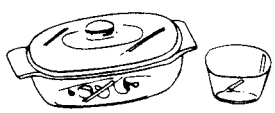
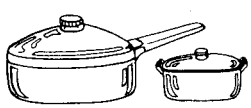
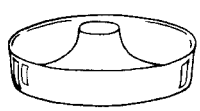
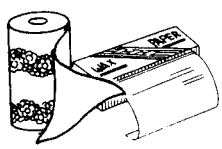
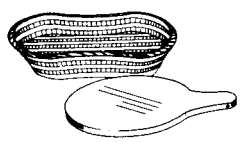
BROILING



Place oven rack in rack guides. Food is placed on Broiler Pan with spatter shield and placed on oven rack.

Cooking Utensils

Following is a summary chart in which you will find the proper use of cooking utensils in the oven.

Cookware		Microwave	Baking	Combination	Broiling
	Heat-Resistant Glass, Glass-Ceramic (Pyrex®, Fire King®, Corning Ware®, etc.)	YES (Do not use utensils with metal trim)	YES	YES (Utensils without metal trim)	YES, if heat-safe to 450°F.
	Ceramic	YES (Do not use utensils with metal trim)	YES	YES (Do not use utensils without metal trim)	NO
	Metal	NO	YES	NO	YES
	Non Heat-Resistant Glass	NO	NO	NO	NO
	Microwave-Safe Plastics	YES**	NO	YES*	NO
	Plastic Films & Wraps	YES** (For reheat only)	NO	NO	NO
	Paper Products	YES**	NO	NO	NO
	Straw, Wicker & Wood	YES**	NO	NO	NO
	Browning Dishes	YES	NO	NO	NO

*Yes, if heat-safe to 375°F.

**If Bake or Combination was used prior to Microwave, allow metal tray to cool 15 to 20 min. before using.

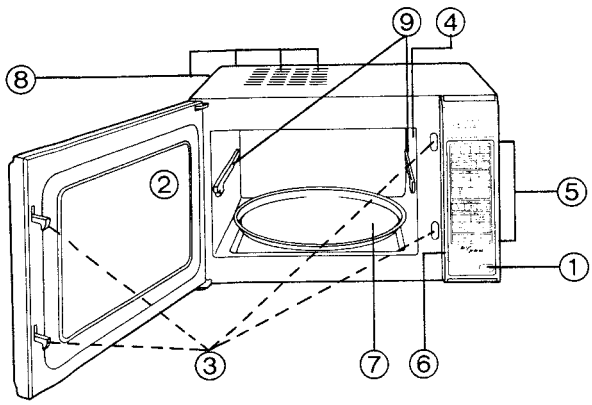
NOTE: FOR MORE INSTRUCTIONS ON THE PROPER USE OF UTENSILS IN YOUR OVEN, PLEASE READ THE INTRODUCTION SECTION IN THE PANASONIC COOKBOOK.

Accessory Use Chart

The following chart is the proper way to use all accessories supplied with this oven. Refer to utensils on page 5 in this manual, only use the accessories with this oven. For more detailed instructions, read your Panasonic Cookbook.

Accessories	Microwave Cooking	Baking	Combination Cooking	Broiling
Broiler Pan	No	No	No	Yes
Spatter Shield	No	No	No	Yes
Metal Tray	Yes	No	Yes	No
Oven Rack	No	Yes	No	Yes

Feature Diagram

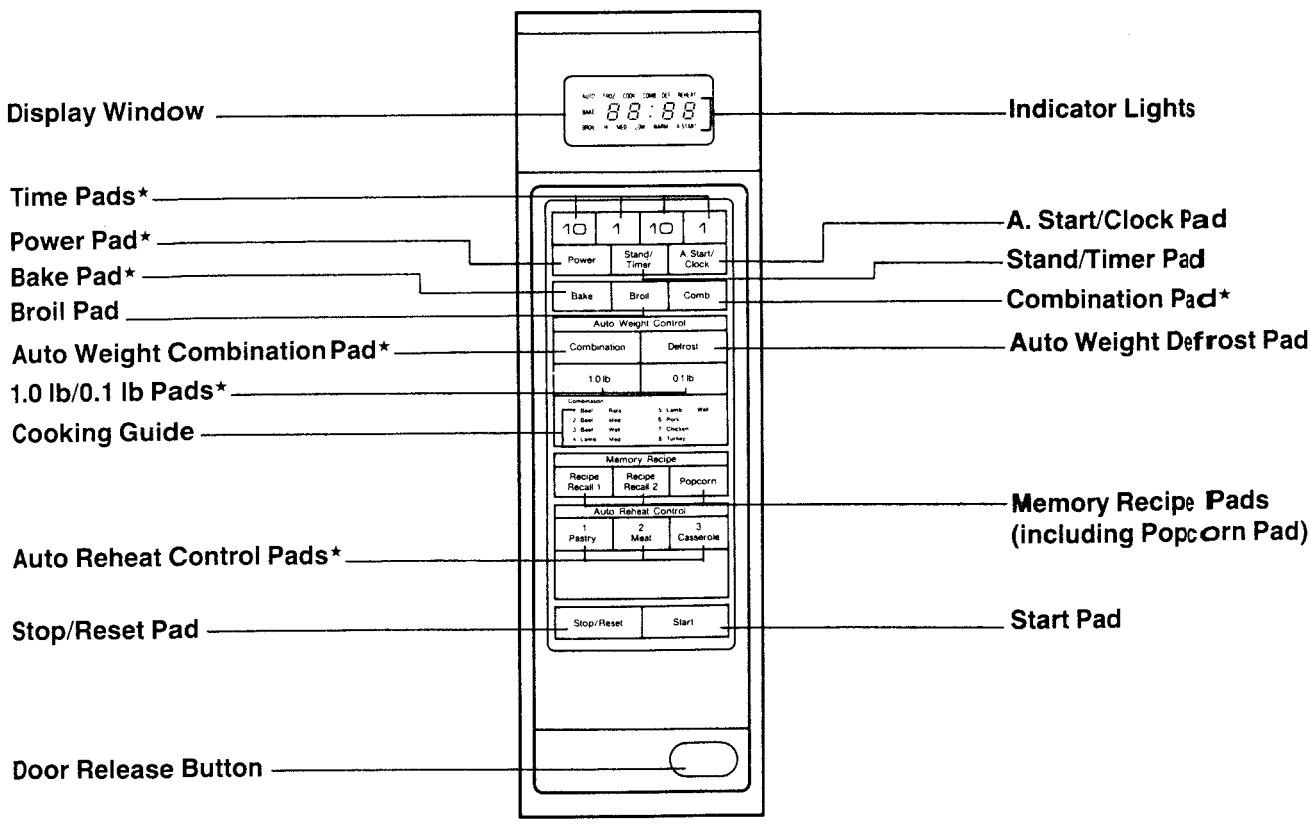


① **Door Release Button**
② **Oven Window**
③ **Door Safety Lock System**
④ **Oven Air Vents**
⑤ **Control Panel**
⑥ **Identification Plate**
⑦ **Metal Tray**
⑧ **External Oven Air Vents (top and back)**
⑨ **Oven Rack Guides**

Control Panel

Controls with Auto Count-Up Feature*

NN-9509



Controls and Operation Procedure

A. START/CLOCK Pad:

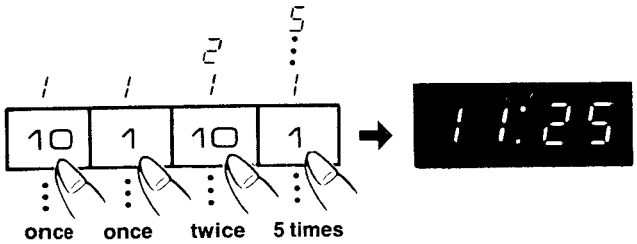
When oven is first plugged in, "88:88" will appear in the display window.

To set clock

Step 1. Touch A. START/CLOCK Pad.
▶Colon will blink.

Step 2. Enter time of day by pressing appropriate TIME Pads.
▶Time appears in display window; colon is blinking.

Example: To set 11:25
Press TIME Pads from left to right as follows:



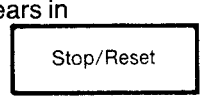
Step 3. Touch A. START/CLOCK Pad.
▶Colon stops blinking; time of day is entered and locked into display.

NOTES ON CLOCK:

1. To reset time of day, repeat step 1 through step 3.
2. The clock will keep the time of day as long as oven is plugged in and electricity is supplied.
3. To delete "88:88" indication, touch STOP/RESET Pad.
4. This is a 12 hour clock with no distinction between AM and PM.

STOP/RESET Pad:

Before cooking: One tap clears your instructions.
During cooking: One tap temporarily stops the cooking process. Another tap cancels all your instructions and time of day appears in display window.



START Pad:

One tap allows oven to begin functioning. If door is opened or STOP/RESET Pad is tapped once during oven operation, START Pad must again be touched to restart oven.

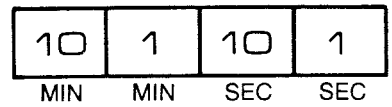
Door Release Button:

Opening Door:
Opening the door during cooking will stop the cooking process without cancelling the program. Cooking resumes as soon as the door is closed and START Pad is touched. The oven light will stay on or turn on whenever the door is opened.

Beep Sound:
When a pad is touched correctly, a beep will be heard. If a pad is touched and no beep is heard, the unit has not or cannot accept the instruction. The oven will beep twice between programmed stages. At the end of any complete program, the oven will beep 5 times. At the end of preheat, the oven will beep 3 times.

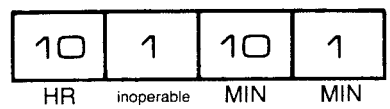
TIME Pads:

1. **Microwave and Broil**
The Pads serve as a 10 minute pad, 1 minute pad, 10 second pad and 1 second pad from the left, and can be programmed up to 99 minutes and 99 seconds.



Example: To set 13 minutes 45 seconds
Touch;
10 MIN Pad: once
1 MIN Pad: 3 times
10 SEC Pad: 4 times
1 SEC Pad: 5 times

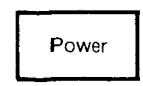
2. **Combination and Bake**
The Pads serve as a 1 hour pad, an inoperable pad, 10 minute pad and 1 minute pad from the left, and can be programmed up to 9 hours 99 minutes.



Example: To set 2 hours 25 minutes
Touch:
1 HOUR Pad: twice
10 MIN Pad: twice
1 MIN Pad: 5 times

POWER Pad:

Automatically counts down from High to Warm. When cooking with a power other than HIGH, the oven must cycle to obtain the lower power levels. The oven light dims and clicking noise can be heard when the oven cycles. The following is the approximate wattage for each power level.

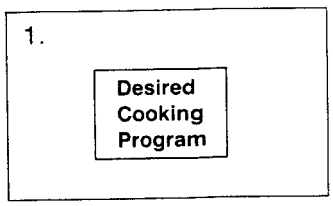


HIGH power	(700 watts/Full power)
MEDIUM power	(490 watts/70% power)
MEDIUM-LOW power	(370 watts/55% power)
DEFROST power	(245 watts/35% power)
LOW power	(210 watts/30% power)
WARM power	(80 watts/10% power)

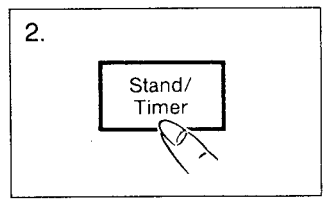
MICROWAVE

Stand/Timer

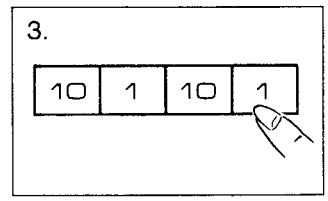
This feature allows you to program a Stand Time after cooking is completed and to program the oven as a minute timer and/or to program delay start.



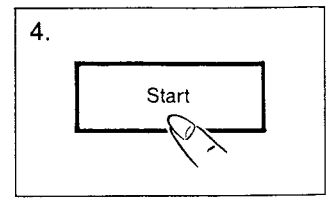
•Program desired cooking program according to directions given in this manual.



•Touch STAND/TIMER Pad.



•Set desired amount of time by pressing TIME Pads.



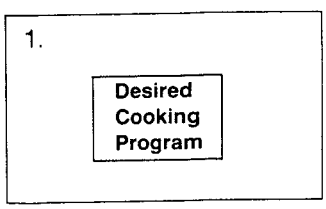
•Touch START Pad.

NOTES ON STAND/TIMER:

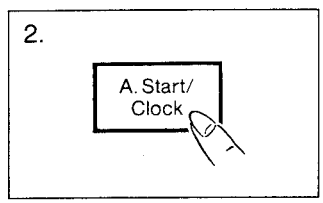
1. This pad can also be utilized as a timer if you start from step 2 as shown above.
2. If oven door is opened during the Stand Time or Timer, the time in display window will continue to count down.
3. To program delay start, follow steps 2 and 3 and follow step 1 to START Pad.

Auto Start

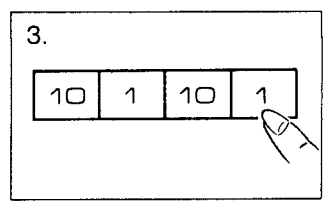
This feature allows you to program the time of day you want cooking to start.



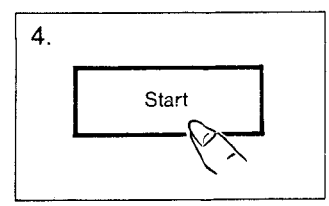
•Program desired cooking program according to directions given in this manual.



•Touch A. START/ CLOCK Pad.



•Set the time of day you want the oven to begin cooking by pressing TIME Pads.



•Touch START Pad.

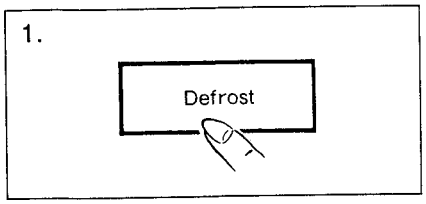
NOTES ON AUTO START:

1. With the Auto Start feature, the oven may be programmed to start cooking up to 11 hours and 59 minutes before cooking starts.
2. To recall selected start time before cooking, press A. START/CLOCK Pad. Start time will appear in display window while your finger is touching the pad.
3. Only one or two stage cooking can be programmed after Auto Start.
4. Auto Start cannot be programmed before any Auto Control Function, Broil and Defrost. This is to prevent the starting temperature of the food from rising before defrosting or cooking begins. A change in the starting temperature could cause inaccurate results.
5. Auto Start cannot be programmed unless clock is set.

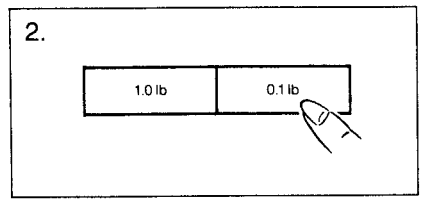
MICROWAVE

Auto Weight Defrost

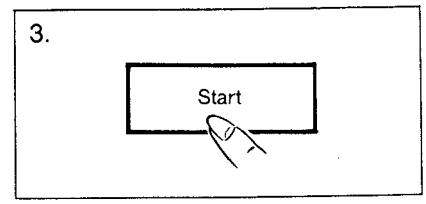
This feature allows you to defrost meat, poultry or seafood by weight.
Weight must be programmed in pounds and tenths of a pound.



•Touch AUTO WEIGHT DEFROST Pad.



•Set the weight of your meat by pressing 1.0 lb Pad and/or 0.1 lb Pad.



•Touch START Pad.

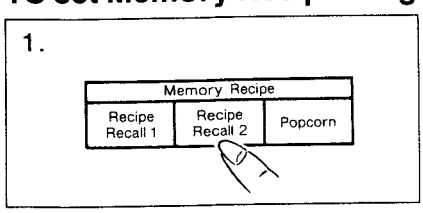
NOTES ON AUTO WEIGHT DEFROST:

1. The oven can be programmed from 0.1 pound to 12 pounds. The maximum weights recommended for best results are 5 lb for meat, 12 lb for poultry and 3 lb for seafood.
2. The shape and size of the food will determine the maximum weight the oven can accommodate.
3. Stand time or power and time cooking may be programmed after Auto Weight Defrost.
4. For further information on Auto Weight Defrost refer to the Panasonic cookbook.

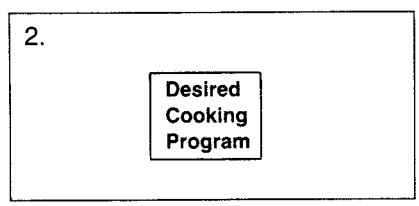
Memory Recipe

This feature allows you to conveniently program two different recipe programs into memory. You can save time and eliminate the guesswork by memorizing a frequently used cooking program.

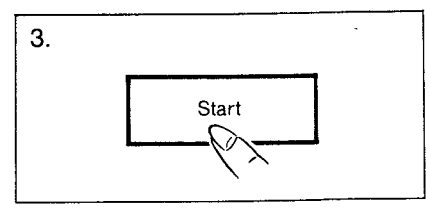
To set Memory Recipe Program:



•Press RECIPE RECALL Pad (1 or 2).

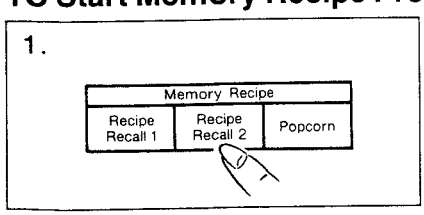


•Program desired cooking program according to directions already given in this manual.

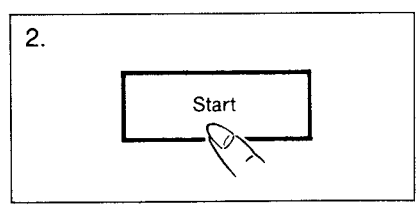


•Press START Pad.

To Start Memory Recipe Program:

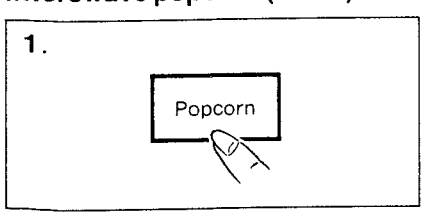


•Press RECIPE RECALL Pad (1 or 2).

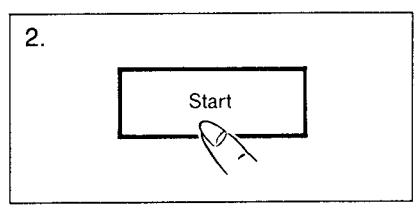


•Press START Pad.

In addition, the Memory Recipe Feature includes a popcorn setting for quick and easy popping of **prepackaged microwave popcorn (3.5 oz).**



•Press POPCORN Pad.



•Press START Pad.

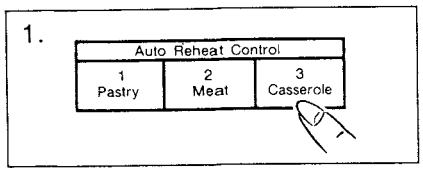
NOTES ON MEMORY RECIPE:

1. Auto Control Functions and Broil cannot be programmed into memory recipe.
2. Recipe Recall can be programmed for only one stage.
3. For further information on using the Popcorn setting, please refer to the cookbook.

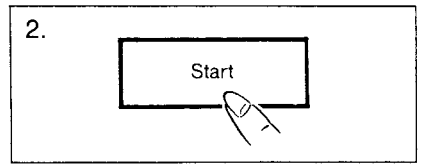
MICROWAVE

Auto Reheat Control

This feature allows you to reheat 1 to 4 servings of Pastries, Meats and Casseroles without having to select cooking times and powers. The oven does it all automatically.



•Press AUTO REHEAT CONTROL Category Pad (1, 2 or 3). The desired number of servings (1–4) appears in display window.



•Touch START Pad.

NOTES ON AUTO REHEAT CONTROL:

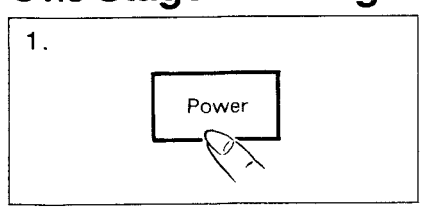
1. There are 3 categories for Auto Reheat Control. Listed are the recommended foods and serving sizes for each category.
2. For further information on Auto Reheat Control refer to the cookbook:

Category	Food	Number of Servings	Serving Size	Starting Temp of Food
1	Pastry	1 to 4	1 piece	Room Temp.
2	Meat	1 to 4	4 to 8 oz. each	Refrig. Temp.
3	Casserole	1 to 4	8 oz. each	Refrig. Temp.

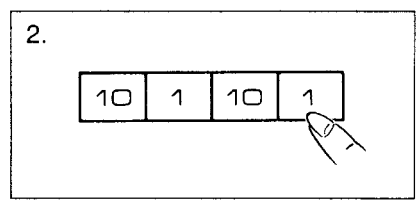
Time Cooking/Cyclic Defrost

This feature allows you to program Time Cooking and Cyclic Defrost.

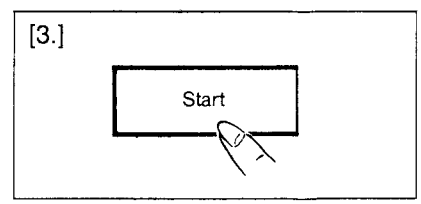
One Stage Cooking



•Select cooking power by pressing POWER Pad.

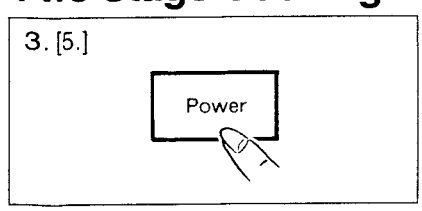


•Set cooking time by pressing TIME Pads.

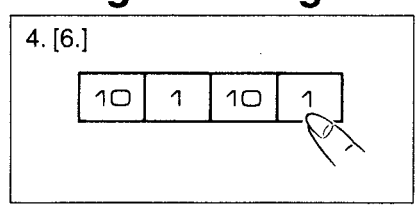


•Touch START Pad.

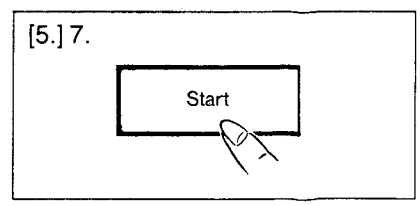
Two Stage Cooking/Three Stage Cooking



•Before touching START Pad, select second/third cooking power by pressing POWER Pad.



•Set second/third stage cooking time by pressing TIME Pads.



•Touch START Pad.

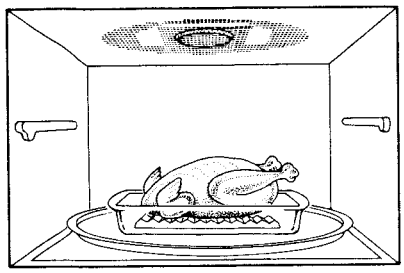
NOTES ON TIME COOKING/CYCLIC DEFROST:

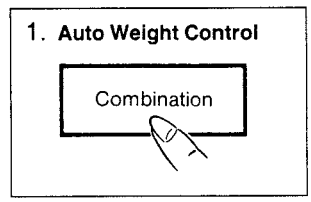
1. Your oven can be programmed up to 3 stages.
2. Stand time can be programmed after Time Cooking/Cyclic Defrost.
3. When selecting HIGH power on the first stage, it is not necessary to press POWER Pad. Simply set cooking Time by pressing TIME Pad and touch START Pad.
4. When DEFROST is selected, the automatic cycle divides the defrosting time into 8 periods that alternate between defrost and stand.

COMBINATION

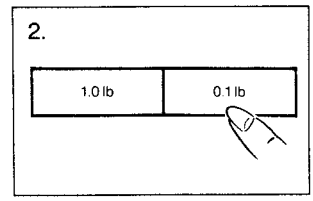
Auto Weight Combination Cooking

Automatically counts-up for the desired Combination setting. There are 8 Auto Weight Combination settings. This feature allows you to cook meat or poultry by weight. Choose the appropriate cook category and program the weight of the food. Weight must be programmed in pounds and tenths of a pound.

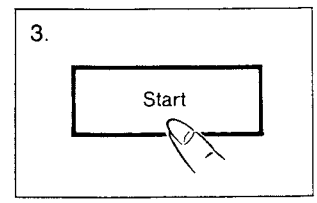




•Press AUTO WEIGHT COMBINATION COOKING Category Pad to select COOK category 1 through 8.



•Set Weight of Food.



•Touch START Pad.

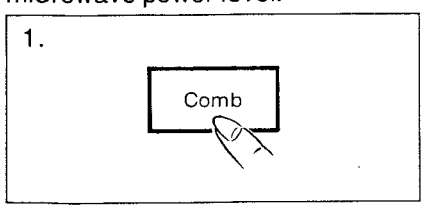
NOTES ON AUTO WEIGHT COMBINATION:

1. There are 8 categories for Auto Weight Combination Cook. Listed are the recommended foods and maximum weight.
2. The shape and size of the meat will determine the maximum weight the oven can accommodate.
3. Stand time or a power level can be programmed after Auto Weight Combination Cook.
4. For further information on Auto Weight Combination Cooking refer to the Panasonic Cookbook.

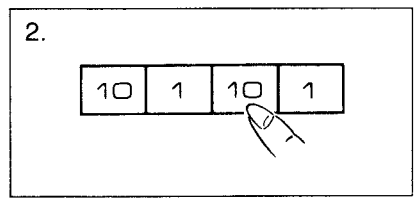
Category	Food	Maximum Weight
1	Beef (Rare)	5 lb.
2	Beef (Medium)	5 lb.
3	Beef (Well)	5 lb.
4	Lamb (Medium)	4 lb.
5	Lamb (Well)	4 lb.
6	Pork	4 lb.
7	Chicken	6 lb.
8	Turkey	12 lb.

Time Combination Cooking

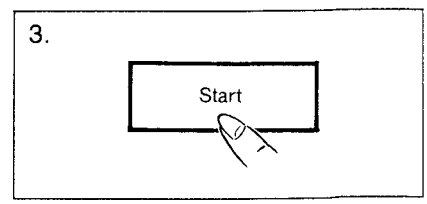
There are 4 combination settings. These settings are automatic, there is no need to set oven temperature or microwave power level.



•Select Combination cooking program by pressing COMBINATION Pad 1 to 4 times.



•Set Cooking time by pressing TIME Pad.



•Touch START Pad.

NOTES:

1. There are 4 Combination settings. Listed in chart are the recommended foods for time Cooking by Combination. Also refer to the Panasonic Cookbook for recommended recipes for time cooking by combination.
2. When selected cooking time is less than one hour, time counts down second by second.
3. When selected cooking time is over one hour, time counts down minute by minute until only "59 00" (59 minutes) remain. Display then indicates minutes and seconds and counts down second by second.
4. Refer to the introduction in your Panasonic cookbook for additional information on each setting.

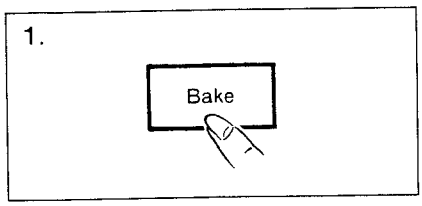
Category	Food
1	Beef (Well), Lamb (Well)
2	Beef (Rare, Med), Lamb (Med), Turkey, Stews
3	Pork
4	Chicken, Duck

BAKE

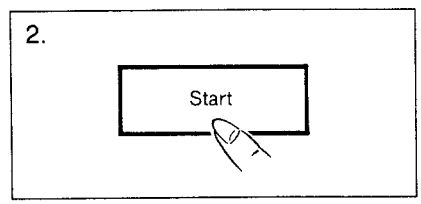
Automatically counts-up in 25°F increments from 200°F to 450°F. Touching the BAKE Pad during preheating or cooking shows the temperature programmed in display window.

Auto Preheating

For your convenience, this oven is equipped with an Auto Preheating feature. You do not have to set preheating time or reset oven temperature after preheating for cooking. Preheat when indicated in recipes and charts. Please do not open door during preheating.



• Press BAKE Pad, for desired oven temperature.

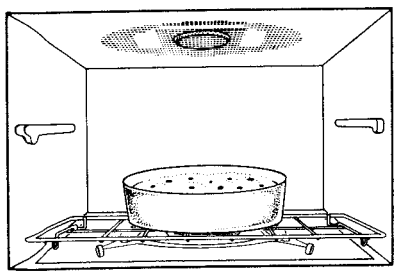


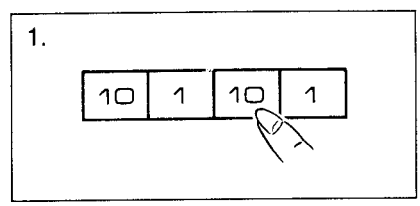
• Touch START Pad.

NOTES:

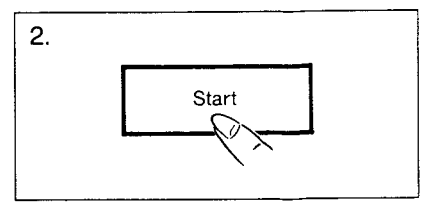
1. Remove metal tray from oven before preheating. Place oven rack on oven floor.
2. When preheating is completed, oven will beep three times, "P" will flash in display window. Place food in dish on oven rack.
3. If oven door is not opened after preheating, oven will maintain the selected temperature for 60 minutes. After 60 minutes, oven will shut off automatically and beep five times.
4. For more detailed information on preheating, refer to the Panasonic cookbook.

Time Cooking





• After Auto Preheating, set cooking time by pressing appropriate TIME Pads.



• Touch START Pad.

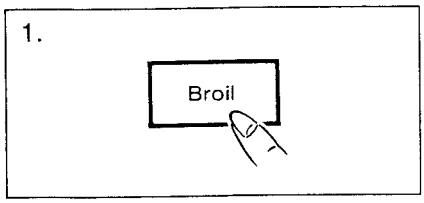
NOTES:

1. When selected cooking time is less than one hour, time counts down second by second.
2. When selected cooking time is over one hour, time counts down minute by minute until only "59 00" (59 minutes) remain. Display then indicates minutes and seconds and counts down second by second.
   *For recipes that do not require preheating, bake temperature must be selected before pressing TIME Pads.

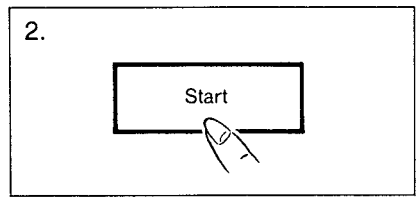
BROIL

Auto Preheating

For your convenience, this oven is equipped with an Auto Preheating feature. You do not have to set preheating time or reset oven temperature after preheating for cooking. Preheat when indicated in recipes and charts. Please do not open door during preheating.



•Press BROIL Pad.

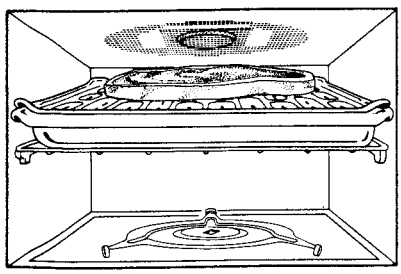


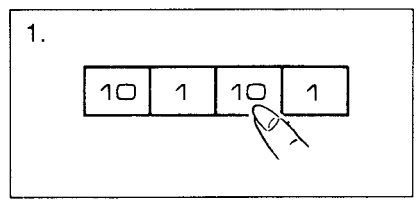
•Touch START Pad.

NOTES:

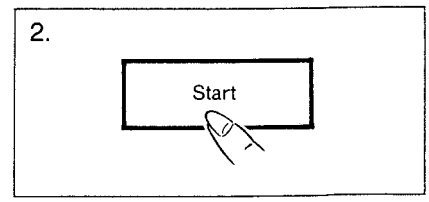
1. Remove metal tray from oven before preheating. Place oven rack in rack guides.
2. When preheating is completed, oven will beep three times, "P" will flash in display window.
3. If oven door is not opened after preheating, oven will maintain the selected temperature for 60 minutes. After 60 minutes, oven will shut off automatically and beep five times.
4. Place food on broiler pan. Most broiler pans can be purchased at your local store. NN-9859 comes equipped with its own broiler pan and spatter shield.
5. After oven is preheated, open oven door and carefully place food on broiler pan on oven rack in the oven.
6. For more detailed information on preheating, refer to the Panasonic Cookbook.

Time Cooking





•After Auto Preheating, set cooking time by pressing TIME Pads.



•Touch START Pad.

NOTE:
For recipes that do not require preheating, BROIL Pad must be selected before pressing TIME Pads.

Technical Specifications

Power Consumption:	Microwave 12.2 Amps, 1,400 W Convection 12.5 Amps, 1,500 W
Output:	Microwave 700 W Convection 1,400 W
Outside Dimensions:	14 13/16" (H)×23 7/8" (W)× 18 7/8" (D) 376 mm (H)×606 mm (W)× 481 mm (D)
Oven Cavity Dimensions:	9 1/2" (H)×16 1/4" (W)× 16 13/16" (D) 242 mm (H)×412 mm (W)× 426 mm (D)
Operating Frequency:	2,450 MHz
Built in Trim Kit:	NN-TK909
Uncrated Weight:	Approx. 64 lbs.

Specifications subjects to change without notice.

Care of Your Microwave/Convection Oven

1. Turn the oven off before cleaning.
2. Keep the inside of the oven clean. Clean oven walls and door surface after each use with a damp sudsy cloth; rinse with a well wrung-out cloth and wipe dry.
3. The interior of the oven is stainless steel. To prevent baked-on soil, clean food spatters or spilled liquids as they occur. For hard to remove soil, use a mild detergent, a nonabrasive cleanser or spray with an all purpose cleaner and wipe dry. DO NOT use harsh detergents or abrasive cleansers on any oven surface.
   To help loosen soil before cleaning, heat 2 cups of water in a 4-cup glass measure at HIGH power for 5 minutes or until boiling.
4. It is occasionally necessary to remove the metal tray for cleaning. Wash the metal tray in warm sudsy water or in a dishwasher. Cool tray completely before washing. If grease accumulates or is difficult to remove, the tray may be cleaned with a nonabrasive nylon mesh scouring pad and a nonabrasive cleanser. Handle with care as tray is heavy.
5. Oven accessories may be washed in warm sudsy water or in a dishwasher.
6. The metal turntable should be removed frequently for cleaning. Wash the turntable in warm sudsy water. For hard to remove soil, use a mild detergent or a nonabrasive cleanser.
   When metal turntable is removed for cleaning, water or food particles should not be allowed to spill into the opening in the center of the oven bottom.
7. The oven door interior, outside oven surfaces and oven door window should be cleaned with a damp cloth, rinsed, and dried with a soft cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
8. If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth to remove. This may occur when the oven is operated under high humidity conditions and in no way indicates malfunction of the unit.
9. If the Control Panel becomes wet, clean with a soft, dry cloth. DO NOT use harsh detergents or abrasives on Control Panel. Avoid the use of excess water. When cleaning the Control Panel, leave oven door open to prevent oven from accidentally turning on. After cleaning, touch STOP RESET Pad to clear display window.

What to Do When Service is Needed

If your Panasonic microwave oven needs service, look in the yellow pages of the telephone book under "Home Appliance Service" for your nearest Matsushita Services Company ("MSC") Factory Servicenter, or MSC authorized Servicenter, or call 800-447-4700, toll free to find a convenient service center. *Do NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.*

Service in the U.S.A. ... Factory Servicenters:

MATSUSHITA SERVICES COMPANY
Division of Matsushita Electric Corporation of America
50 Meadowland Parkway, Secaucus, New Jersey 07094

ALABAMA
2523-5th Avenue, South
Birmingham, AL 35233
205-252-4195

ARIZONA
9332 North 95th Way
Suite 101
Scottsdale, AZ 85258
602-860-6777

CALIFORNIA
6550 Katella Avenue
Cypress, CA 90630
714-373-7426

930 South Mt. Vernon Drive
Colton, CA 92324
714-825-3110

800 Dubuque Avenue
So. San Francisco, CA 94080
415-871-6373

20201 Sherman Way
Suite 102
Canoga Park, CA 91306
818-709-1775

3878 Ruffin Road
Suite A
San Diego, CA 92123
619-560-9200

COLORADO
1640 South Abilene
Aurora, CO 80012
303-752-2024

FLORIDA
16175 NW 52nd Avenue
Miami, FL 33014
305-624-6521

4115 W. Kennedy Boulevard
Tampa, FL 33609
813-289-9726

GEORGIA
4245 International Blvd.
Suite C
Norcross, GA 30093
404-925-6880

1575 Northside Drive
Suite 325
Atlanta, GA 30318
404-351-8978
(carry-in service only)

HAWAII
99-859 Iwaiwa Street,
P.O. Box 774
Honolulu, Hawaii
96808-0774
808-488-1996

ILLINOIS
425 E. Algonquin Road
Arlington Heights, IL 60005
312-981-4840

MARYLAND
Sulphur Spring Business Park
1638 Sulphur Spring Road
Baltimore, MD 21227
301-242-2607

MASSACHUSETTS
383 University Avenue
Westwood, MA 02090
617-329-4280

MINNESOTA
7850-12th Avenue, South
Airport Business Center
Bloomington, MN 55420
612-854-8624

MISSOURI
13711 Rider Trail North
Earth City, MO 63045
314-739-5301

OHIO
1496 W.Kemper RD
Cincinnati, OH 45240
513-851-4180

PENNSYLVANIA
2250 Cabot Blvd., West
Langhorne, PA19047
215-741-0661

4986 Library Road, Rt. 88
Hillcrest Shopping Center
Bethel Park, PA 15102
412-343-0555

TENNESSEE
925-8th Avenue, South
Nashville, TN 37203
615-244-4434

TEXAS
7420 Harwin Drive
Houston, TX 77036
713-781-1528

4500 Amon Carter Blvd.
Fort Worth, TX 76155
817-685-1060

WASHINGTON
20425-84th Ave., South
Kent, WA 98032
206-872-7922

Service Administration offices:

NORTHE AST
2250 Cabot Blvd., West
Langhorne, PA19047
215-741-0676
Covers:
CT, DE, ME, MD, MA, NH, NJ, NY, PA, RI, VT, VA, DC, WV, East OH

MIDWEST
425 East Algonquin Road
Arlington Heights, IL 60005
312-981-4842
Covers:
IL, IN, IA, KS, KY, MI, MN, MO, NE, ND, SD, West OH, WI

WESTERN
6550 Katella Avenue
Cypress, CA 90630
714-373-7438
Covers:
AK, AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY

SOUTHERN
1854 Shackleford Court
Suite 105 Norcross, GA 30093
404-925-6860
Covers:
AL, AR, FL, GA, LA, MS, NC, SC, TN, TX, OK

Consumers requiring product information or operating assistance with a consumer product should contact:

CONSUMER AFFAIRS DEPARTMENT 2F-3
50 Meadowland Parkway Secaucus, N.J. 07094 (201) 348-9090

Service in Puerto Rico

MATSUSHITA ELECTRIC OF PUERTO RICO, INC.
Panasonic Sales Company/Factory Servicenter
San Gabriel Industrial Park
65th Infantry Avenue KM 9.5
Carolina, Puerto Rico 00630
809-750-5135

ONE YEAR LIMITED WARRANTY

Panasonic Microwave Oven Limited Warranty

Panasonic Company, or Panasonic Sales Company (collectively referred to as "Panasonic") will repair this product free of charge in the U.S.A. or Puerto Rico, as follows:

Parts (except magnetron tube)—new or rebuilt parts in exchange for defective parts for one (1) year from the date of original purchase.

Magnetron Tube—new or rebuilt magnetron tube in exchange for defective magnetron tube for five (5) years from the date of original purchase.

Labor—carry-in service for one (1) year from the date of original purchase on all parts except magnetron tube. Carry-in service for five (5) years from the date of original purchase on the magnetron tube. After the labor warranty period is over, purchaser pays for all labor charges for removal and installation of parts and magnetron tube.

Carry-in service in the U.S.A. can be obtained during the warranty period from a Matsushita Services Company (MSC) Factory Servicenter listed in the Servicenter Directory. Or call 800-447-4700, toll free, to locate an authorized Servicenter. Carry-in service in Puerto Rico can be obtained during the warranty period by calling the telephone numbers listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty performance is rendered.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use and does not cover glass, plastic parts, temperature probes (if included), and exterior and interior finish. It does not cover damage which occurs in shipment or failures which are caused by products not supplied by Panasonic, or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, or commercial use such as hotel, office, restaurant or rental use of the product, or service by anyone other than an MSC Factory Servicenter or authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

PANASONIC SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Division at the company address indicated below.

This warranty is only valid in the U.S. Military Base and in the U.S.A.
In Home service is not available in Europe, Asia and the Pacific areas.

Convertible 50 Hz/60 Hz

This oven can be used at both 50 Hz and 60 Hz area without any adjustment.

European Countries:	
on base	50 Hz
	(60 Hz in some area)
off base	50 Hz
Japan:	
Tokyo Area and Misawa	50 Hz
Other Areas (Iwakuni, Sasebo, Okinawa)	60 Hz
Other Pacific Areas:	
Guam, Korea, Philippines, Taiwan	60 Hz

Panasonic®

just slightly ahead of our time®

Panasonic Sales Department
CORPORATES MANAGEMENT DIVISION FOR AMERICAS
Matsushita Electric Industrial Co., Ltd.
One Panasonic Way
Secaucus, N.J. 07094
(201) 348-7487

Panasonic Sales Company, Division of
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San Gabriel Industrial Park
65th Infantry Ave. KM.9.5
Carolina, Puerto Rico 00630
(809) 750-5135

Panasonic Tokyo Office
Matsushita Electric Industrial Co., Ltd.
World Trade Center Bldg.,
No. 4-1, Hamamatsu-cho 2-Chome,
Minato-ku, Tokyo 105, Japan
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